BOSS

BOSS COMPACT CATALOG

VOL. 5

COMPACT EFFECTS DEVICES

OD-2 TURBO Over Drive

The OD-2 Turbo Overdrive offers a completely new overdrive effect that can add extremely powerful expression to your playing.
A Turbo On/Off switch is provided in addition to Level, Tone, and Drive controls.

•Power: 9V Battery, AC Adaptor •Current Draw: 9V DC, 10 mA •Equivalent input noise: −118 dBm or less (IHF-A, Tone control at center, Input short-circuited) •Input impedance: 1 MΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

OD-1 Over Drive

The BOSS Over Drive has been designed to exactly replicate the sound of an overdriven tube amplifier when used in any amplification set-up.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 3.5 mA •Controls: Level, Overdrive •S/N ratio: 80 dB •Input impedance: 220 kΩ •Output load impedance: Over 600 Ω •Maximum gain: 37 dB •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

SD-1 SUPER Over Drive

The SD-1 will respond to the guitarist's most delicate playing techniques. Like the OD-1, the SD-1 features controls for Level and Overdrive, with the addition of a Tone control.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 3.5 mA •Controls: Level, Drive, Tone •S/N ratio: 80 dB •Input impedance: 470 kΩ •Output load impedance: Over 10 kΩ •Maximum gain: 37 dB •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

OC-2 Octave

The unique OC-2 will be widely used by guitarists to add a bass line to a lead line, but the high quality tracking also makes it usable by the keyboardist (to add an additional voice to a synthesizer or piano).

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 4 mA •Controls: Oct 1, Oct 2, Direct Level •Maximum input level: −5 dBm •Maximum output level: 0 dBm •Input impedance: 1 MΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

DC-2 Dimension C

BOSS has condensed Roland's well known Dimension D and formed a much smaller and more affordable DC-2 Dimension C. Incorporating two independent chorus circuits, the DC-2 offers four different dimension effects through presets 1 to 4. A noise-reduction circuit keeps the sound clear at all times.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 30 mA •Residual noise: −95 dBm or less (IHF-A) •Input impedance: 1 MΩ •Output load impedance Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

HF-2 Hi Band Flanger

With the center frequency of the flanging one octave higher than its predecessor, the BF-2, the HF-2 can apply the flanging effect only to harmonics without affecting fundamental notes, thus producing extremely clear, light sounds.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 18 mA (max) •Delay time: 0.5 to 6.5 ms •LFO speed: 100 ms to 16 s •Residual noise: −95 dBm (IHF-A) •Input impedance: 470 kΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

BF-2 Flanger

The BF-2 provides quiet, clean performance and full function flexibility and features a special BBD circuit which greatly reduces the noise inherent in most electronic flangers.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 15 mA •Controls: Manual, Depth, Rate, Resonance •Residual noise: −95 dBm (IHF-A) •Input impedance: 470 kΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

BF-2B Bass Flanger

NF-1 Noise Gate

BCB-6 CARRYING BOX

PSM-5 Power Supply & Master Switch

BF-2B Bass Flanger

The BF-2B is a flanging unit for use with the bass guitar. It applies flanging effects to the bass sound without diminishing the punch and tonal characteristics of the bass sound.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 14 mA •Delay time: 0.5 to 6.5 ms •LFO rate: 100 ms to 16 s •Residual noise: –95 dBm (IHF-A) •Input impedance: 470 kΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

NF-1 Noise Gate

The NF-1 is a product designed to remove unwanted hum or noise from a performance by gating off the signal after a note has been played.

•Power: 9V Battery, AC Adaptor •Current draw : 9V DC, 39 mA •Controls: Sens, Decay •Maximum output voltage: +9 dBm •Gain: Unity •Input impedance: 220 kΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

BCB-6 CARRYING BOX

Designed to hold effects made by BOSS as well as other manufactures, the BCB-6 is capable of holding—for transportation and performance—six effect pedals, or five pedals and the PSM-5 Power Supply.

•Dimensions: 24-15/16(W) × 11(D) × 3-5/16(H) in. •Weight: 4 lb. 7 oz. •Accessories: Connection cords

PSM-5 Power Supply & Master Switch

The PSM-5 doubles as a regulated power supply and as an effect loop selector. It can power up to five BOSS effects (or other effects of a similar design), and operates on a PSA-series AC Adaptor.

•Power: AC Adaptor •Input impedance: 1 MΩ (Guitar) 1 MΩ (Return) •Output load impedance: Over 10 kΩ (Amp), Over 10 kΩ (Send) •Gain: Unity •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 12 oz.

TUNERS

TU-100 CHROMATIC TUNER

Offering three tuning methods, two transpose functions, and a tuning range of 7 octaves, the TU-100 can be used to tune any instrument. The standard pitch can be set between 435 and 446 Hz. A sweep meter and two Tuning Guide LEDs simplify tuning.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 30 mA (max, in the Tuning mode) •Tuning range: C_1 (32.7 Hz) to B_7 (3951.1 Hz) •Sound range: C_2 (65.4 Hz) to B_6 (987.7 Hz) •Volume selection: 3 Ranges •Accuracy: ±1 cent •Dimensions: 3-3/8(W) × 6-9/16(D) × 1-5/8(H) in. •Weight: 8 oz.

TU-12 CHROMATIC TUNER

With this fully automatic chromatic tuner, a variety of musical instruments such as guitar and wind instruments can be tuned. Two highly visible LEDs called "tuning guide" light when the proper pitch is achieved. Tuning to the concert pitch is also possible.

•Power: 9V Battery, AC Adaptor •Tuning range: C_1 to B_8 •Pitch accuracy: ±1 cent •Standard oscillator: Quartz (3579545 MHz) •Concert pitch: 440 to 445 Hz, 1 Hz step •Dimensions: 5-11/16(W) × 2-1/16(D) × 1-3/8(H) in. •Weight: 6 oz.

TU-12H CHROMATIC TUNER

Even wind instruments of a high frequency range can be tuned with this upgraded version of the TU-12. One mode (L) allows tuning between C_1 and B_8 while the second mode (H) allows tuning between C_2 and B_8.

•Power: 9V Battery, AC Adaptor •Tuning range: C_1 to B_8 •Pitch accuracy: ±1 cent •Standard oscillator: Quartz (3579545 MHz) •Concert pitch: 440 to 445 Hz, 1 Hz step •Dimensions: 5-11/16(W) × 2-1/16(D) × 1-3/8(H) in. •Weight: 6 oz.

HEADPHONE AMP/STEREO HEADPHONES WITH MICROPHONE

HA-5 Play Bus HEADPHONE AMP

The HA-5 compact headphone amplifier features three remarkable sound effects—stereo chorus, overdrive, and stereo short delay—as well as a variety of sophisticated functions. It is ideal for late night practice, backstage rehearsing, or for private lessons.

•Power: 9V DC (UM-3 × 6). AC Adaptor •Jacks: MIC In, Cassette In, Phones A, B, P-BUS, Input, AC Adaptor •Switches: Power, Normal/Overdrive, Chorus/Short Delay, BUS Mute •Controls: Gain/Drive, Master Volume, Bass, Treble, Mic Volume, Chorus Rate, Chorus Depth •Dimensions: 3-9/16(W) × 1-5/8(D) × 4-3/4(H) in. •Weight: 12 oz.

RH-11M STEREO HEADPHONES WITH MICROPHONE

The RH-11M is an ultra-lightweight headphone set microphone designed for use with the HA-5 headphone amplifier. A micro-switch located in the boom holder automatically turns off the microphone when the boom is in the upper or lower position, preventing the microphone from picking up any unwanted sounds.

•Type: Dynamic open air headphones, Dynamic microphone •Weight: 2 oz. without cord • Total weight: 3 oz. with cord and 2 plugs

MONITORS

DF-2 SUPER Feedbacker & Distortion

Upgraded BOSS's unique "Distortion" and completely new "Feedback" circuits have been incorporated within the DF-2. No matter what kind of guitar or amplifier you use, the DF-2 provides you with exactly the feedback you desire.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 10 mA •Controls: Level, Tone, Distortion, Over Tone •Input impedance: 1 MΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 1 lb.

HM-2 Heavy Metal

This advanced distortion unit produces virtually any kind of distortion you can imagine and features four separate controls, including two active tone controls for bass and treble.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 10 mA •Controls: Level, Color Mix L/H, Distortion •Input impedance: 1 MΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

DS-1 Distortion

The DS-1 is an effects device designed to produce variable distortion and sustain effects. The unit's wide range of distortion effects allow the effect to be varied from very soft to very hard.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 4 mA •Controls: Tone, Distortion, Level •Input impedance: 470 kΩ •Output load impedance: Over 10 kΩ •Maximum gain: 47 dB •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

DSD-3 Digital Sampler/Delay

The DSD-3 can be used either as a digital sampling unit with the sampling time from 200 to 800 ms or as a digital delay with a delay of 50 to 800 ms

•Power: 9V Alkaline Battery, AC Adaptor •Current draw: 9V DC, 45 to 60 mA •Controls: Effect Level, Feedback, Time •Switch: Mode Select •Residual noise: −95 dBm (IHF-A) •Gain: Unity •Input impedance: 1 MΩ (FET input) •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 1 lb.

CE-3 Chorus

A chorus effecter with two stereo modes. In Mode I, outputs A and B produce two different chorus sounds. In Mode II, output A produces effect sound and output B produces direct sound.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 13 mA •Controls: Rate, Depth, Stereo Mode (I/II) •S/N ratio: 90 dB (IHF-A) •Maximum input level: 0 dBm (100 Hz), −10 dBm (1 kHz) •Input impedance: 1 MΩ (FET input) •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

CE-2 Chorus

The CE-2 Chorus features the well known BOSS Chorus effect which can enhance and enrich any sound without imposing itself or detracting from the sound of the instrument.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 9 mA •Controls: Rate, Depth •S/N ratio: Over 90 dB •Maximum input level: 0 dBm (100 kHz), −10 dBm (1 kHz) •Input impedance: 470 kΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

PH-2 SUPER Phaser

The PH-2 Super Phaser features 12-stage (2,160°) filter circuitry, custom-built IC chips, and two operation modes to produce all the phase-shifting sounds you'll ever need.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 20 mA (max) •Controls: Rate, Depth, Resonance •Switch: Mode (I/II) •LFO speed: 100 ms to 14 s •Residual noise: −80 dBm or less (IHF-A) •Gain: Unity •Input impedance: 1 MΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

LM-2 Limiter

Incorporating a high-performance VCA, the LM-2 Limiter eliminates overload by compressing the unwanted transients or peaks which exceed the set threshold level while ensuring superb sound quality at all times.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 12 mA •Residual noise: −100 dBm or less (IHF-A, Level and Tone Controls at center position) •Input impedance: 1 MΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

EFFECTS DEVICE

CE-300 SUPER CHORUS

FOOT VOLUMES

FV-60 Foot Volume Pedal

CE-300 SUPER CHORUS

The reasonably priced CE-300 incorporates two completely independent chorus circuits and many other advanced features in one compact, rack-mountable package.
The extremely broad chorus sound it produces is remarkably high in quality.

- Input level: −20 dBm (rated), +12 dBm (max)
- Input impedance: 1 MΩ
- Output level: −20 dBm (rated), +12 dBm (max)
- Output load impedance: Over 10 kΩ
- Gain: Unity
- Dimensions: 19(W) × 9-11/16(D) × 1-7/8(H) in.
- Weight: 6 lb. 13 oz.

FV-60 Foot Volume Pedal

The light, yet sturdy FV-60 Volume Pedal is suitable for all electric and electronic instruments. In addition to two input and two output jacks, the FV-60 features a Tuner Output jack and a Minimum Volume control.

- Dimensions: 3-3/8(W) × 7-7/8(D) × 2-1/8(H) in.
- Weight: 14 oz.

RHYTHM DEVICES

DB-66 Dr. Beat

An advanced metronome unit, the DB-66 offers a variety of convenient functions. The tempo can be varied between 35 and 250 beats per minute. A large digital display indicates the tempo and beat. In the Tap mode, the display indicates the tempo of the tapping. An advanced metronome...of the tapping. Note A_4 (440 Hz) can be produced as a tuning reference.

- Power: 9V Battery, AC Adaptor
- Current draw: 9V DC, 9 mA (in the stop mode)
- Tempo accuracy: ±0.15%
- Dimensions: 6-11/16(W) × 3-3/4(D) × 1-5/16(H) in.
- Weight (w/o battery): 11 oz.

DB-11 Music Conductor

Available in red, white, blue, or black, the compact DB-11 offers four useful functions—Metronome, Tap, Tuner, and Stop-Watch.

- Power: 6V DC, CR2032 Manganese-Lithium Battery × 2
- Battery life: 150 hours (continuously used in the Metronome Mode at the tempo of 100 beats per minute)
- Speaker: Piezo Electric Speaker
- Dimensions: 1-15/16(W) × 3-5/16(D) × 11/16(H) in.
- Weight: 2 oz.

MIXERS

MA-15A Micro Monitor

The BOSS MA-15A Micro Monitor is a powered monitor with extensive controls and connection options. It may be used for stage monitoring, or as a compact amp for backstage, practice or studio use.

- Power: AC Powered
- Output: 15 W RMS
- Power consumption: 23 W
- Speaker: 5" full range
- Dimensions: 11-13/16(W) × 6-3/8(D) × 6-9/16(H) in.
- Weight: 6 lb. 13 oz.
- Accessory: Metal adaptor for microphone stand

MS-100A Monitor Speaker

The compact MS-100A Monitor Speaker combines a high 100 watt handling capacity with exceptional quality and flexibility to make it the best choice for performing musicians.

- Frequency response: 100 Hz to 17 kHz
- Power handling capacity: 100 W
- Impedance: 4 Ω/16 Ω
- Speakers: 5" full range × 2
- Jacks: Parallel Input and Output
- Dimensions: 11-13/16(W) × 6-3/8(D) × 6-9/16(H) in.
- Weight: 7 lb. 11 oz.
- Accessory: Metal adaptor for microphone stand

ACCESSORIES

DI-1 Direct Box

The DI-1 direct box offers superb performance and durability to satisfy every need in every possible situations. It employs active circuitry instead of a conventional transformer to provide a wide frequency response and a high S/N ratio.

- Power: 9V Battery, Phantom Power (DC 24 to 48V).
- Current draw: 9V DC, 5 mA
- Maximum input level: +45 dBm at 1 kHz
- Input impedance: 4.7 M/37 k/33 kΩ
- Output load impedance: Over 200 Ω (balanced), Over 10 kΩ (unbalanced)
- Residual noise: −110 dBm or less (IHF-A)
- THD: 0.05% or less
- Dimensions: 3-13/16(W) × 4-15/16(D) × 1-13/16(H) in.
- Weight: 1 lb. 1 oz.

DD-3 Digital Delay

The DD-3 is the first compact digital delay offering a wide delay time range of 12.5 to 800 ms, two outputs for stereo simulation, and a hold function.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 55 mA (the D. Time control at center) •Controls: E. Level, F. Back, D. Time •Switch: Mode Select (S/M/L/Hold) •Delay time: 12.5 ms to 800 ms •Frequency response: 40 Hz to 7 kHz ±1 dB (Delay), 10 Hz to 60 kHz ±1 dB (Direct) •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 1 lb.

DM-3 Delay

Offering a delay of 20 to 300ms, the DM-3 analog delay features two output jacks for stereo delay effect. Noise reduction and filter circuits keep the sound clear at all times.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 15 mA •Controls: Repeat Rate, Intensity, Echo •Residual noise: Less than −100 dBm (IHF-A) •Input impedance: 1 MΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 1 lb.

GE-7 Graphic Equalizer

The GE-7 includes seven octave bands with a ±15 dB maximum boost or cut per band and an overall effect Level control.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 7 mA •Frequency centers: 100 Hz, 200 Hz, 400 Hz, 800 Hz, 1.6 kHz, 3.2 kHz, 6.4 kHz •Control range: ±15 dB •Input impedance: 220 kΩ •Output load impedance: Over 600 Ω •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 1 lb.

FT-2 Dynamic Filter

The versatile FT-2 Dynamic Filter can function as an automatic upward/downward wah-wah effect unit, as a low-pass filter with adjustable cutoff frequency and resonance, or as a wah-wah pedal when used in conjunction with an optional EV-5 Expression Pedal.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 16 mA •Residual noise: −85 dBm (IHF-A) •Input impedance: 1 MΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

CS-3 Compression Sustainer

Incorporating a specially developed compression circuit, the CS-3 can apply compression to any electronic or electric instrument with no unwanted distortion.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 10 mA •Compression range: 38 dB •Maximum input level: +5 dBm (at 1 kHz) •Maximum output level: −10 dBm •Input impedance: 1 MΩ •Equivalent input noise: −110 dBm (IHF-A) •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

CS-2 Compression Sustainer

The CS-2 is designed to provide clear, undistorted punch and sustain to any electric musical instrument. The CS-2 uses a VCA (voltage controlled amplifier) to create a faster response.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 4 mA •Controls: Level, Sustain, Attack •Maximum input: −10 dBm (1 kHz) •Maximum output: −10 dBm •Compression range: 38 dB •Input impedance: 1 MΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

GE-7B Bass Equalizer

The GE-7B Bass Equalizer provides seven-band equalization, allowing custom tailoring of the bass guitar's tone color. Each of the seven frequency bands can be cut or boosted in the range of −15 dB to +15 dB.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 16 mA •Equalizer: 7 Bands (62 Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz), ±15 dB •Level control: ±15 dB •Residual noise: −100 dBm or less (IHF-A) •Input impedance: 470 kΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

CE-2B Bass Chorus

The CE-2B is a chorus unit designed exclusively for use with a bass guitar, allowing the bass player to enjoy Boss' unique chorus effects without sacrificing the characteristic richness and punch of the bass guitar.

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 10 mA •Residual noise: −100 dBm or less (IHF-A) •Maximum input level: 0 dBm (at 100 Hz) •Input impedance: 470 kΩ •Output load impedance: Over 10 kΩ •Dimensions: 2-3/4(W) × 4-15/16(D) × 2-3/16(H) in. •Weight: 14 oz.

FV-100 Guitar Volume

FV-200 Keyboard Volume

FOOT SWITCHES

FS-5L/FS-5U FOOT SWITCH

FV-100 Guitar Volume

The BOSS FV-100 Guitar Volume Pedal is a passive type volume pedal designed specifically for use with guitar.

- Dimensions: 4-5/16(W) × 12-3/4(D) × 2-9/16(H) in.
- Weight: 2 lb. 3 oz.

FV-200 Keyboard Volume

The BOSS FV-200 Volume Pedal has been specifically designed for application with electronic keyboards.

- Dimensions: 4-5/16(W) × 12-3/4(D) × 2-9/16(H) in.
- Weight: 2 lb. 3 oz.

FS-5L/FS-5U FOOT SWITCH

The FS-5L and FS-5U footswitches provide fast, easy control of any footswitchable function on any electronic or electric instrument.

- Switching type (FS-5L/FS-5U): Latch (alternate)/Unlatch (momentary) • Power (FS-5L): 1.5V Battery (UM-3) × 2 • Current draw (FS-5L): 3V DC, 6 mA
- LED indicator (FS-5L): On/Off • Switch: Polarity
- Jack: 1 (1/4" phone) • Dimensions: 3-3/4(W) × 3-9/16(D) × 1-11/16(H) in. • Weight: 8 oz.

BX-800 8-CHANNEL STEREO MIXER

The BX-800 8-input/stereo-output mixer provides high performance features and flexibility in a compact, durable package. It ensures quality mixing in any situation from multi-track recording, multi-keyboard set-up, or stage monitoring.

- Input level/impedance: −50 dBm/1.8 kΩ, +4 dBm/160 kΩ • Output level (Rated/Maximum): +4 dBm (3.9V RMS)/+21 dBm (9V RMS) • Output load impedance: Over 10 kΩ • Dimensions: 12-13/16(W) × 9-5/16(D) × 3(H) in. • Weight: 4 lb. 14 oz.

BX-600 6-CHANNEL STEREO MIXER

The BX-600 accepts all level signals because it has separate gain controls for each channel. Effect send and return jacks, as well as panpots, are also provided to use the BX-600 for kinds of mixing—from PA to multi-track recording.

- Input sensitivity: −51 dB • Input impedance: 1.5 kΩ to 200 kΩ • Output level: +4 dBm (3.9V RMS) • Maximum output level: +21 dBm (9V RMS)
- Output load impedance: Over 10 kΩ • Dimensions: 11(W) × 6-1/8(D) × 2-3/8(H) in. • Weight: 2 lb. 10 oz.

BX-400 4-CHANNEL MIXER

This 4-channel mixer has a level select switch in each channel to accomodate the signal level of the device to be connected. Peak indicators make it easy to set the level of the BX-400 with low distortion and noise.

- Input level/impedance: −50 dB/1.8 kΩ (MIC), −35 dB/15 kΩ (INST), −20 dB/68 kΩ (LINE)
- Output level: +4 dBm (3.9V RMS) • Maximum output level: +21 dBm (9V RMS) • Output load impedance: Over 10 kΩ • Dimensions: 7-1/2(W) × 5-5/16(D) × 2-3/16(H) in. • Weight: 1 lb. 12 oz.

KM-04 Micro Mixer

The KM-04 is a micro mixer whose small size makes it ideal for many specialized mixing applications.

- Power consumption: 1 mA • Input sensitivity: 190 mV (RMS) • Output level: 2.1V (RMS) • Input impedance: 22 kΩ • Output load impedance: Over 10 kΩ • Dimensions: 5-11/16(W) × 3-3/8(D) × 1-7/8(H) in. • Weight: 12 oz.

J-44 Multiple Jack

The J-44 has two channels, each of which contains four jack connections, (2-phone, 1 RCA, and 1 mini-phone), to facilitate almost any kind of connection.

- Jacks: Phone jack × 4, RCA jack × 2, Mini-phone jack × 2 • Dimensions: 3-15/16(W) × 2-15/16(D) × 1-1/2(H) in. • Weight: 8 oz.

J-5 Multiple Jack

This novel accessory J-5 allows you to connect one input to up to four outputs at one time.

- Dimensions: 3-15/16(W) × 2-15/16(D) × 1-1/2(H) in.
- Weight: 7 oz.

ACA Series AC Adaptors
PSA Series AC Adaptors

BOSS AC adaptor allows the user to operate BOSS products continuously without worry of battery run-down. Available for 117V, 220V, and 240V 50/60 Hz line currents.

6AM6 Alkaline Battery
006P Carbon-Zinc Battery

The 6AM6 9V alkaline battery supplies power for a BOSS compact pedal, especially a compact pedal that draws more than 10 mA current, for a much longer time than a conventional 9V carbon-zinc battery can. The 006P is an economical 9V carbon-zinc battery.

MICRO STUDIO SERIES

Full-Sized Performance within a Half-Width Package

BOSS Micro Studio series is an ever-expanding line of quality effects devices. Offering versatility and sound quality comparable to much more expensive effects devices, all Micro Studio units—from digital reverb, digital pitch shifter, and digital delay to compressor and equalizer—can satisfy the needs of today's demanding musicians in all signal processing situations.

RRV-10 DIGITAL REVERB

The RRV-10 features a specially developed Digital Signal Processing LSI and offers sound quality and versatility comparable to much more expensive digital reverb units. The RRV-10 features nine modes to produce a variety of effects. The reverb time is continuously adjustable between 0.2 and 10 seconds. A special Input Cancellation system allows smooth transition from effect to normal sound.
A Pre-Equalizer tailors the tone color of the signal before it passes through the reverb circuitry. The RRV-10 contains sophisticated noise reduction for constant low noise operation, and stereo output jacks produce broad, realistic stereo reverberation effects.

•Input level/input impedance: −20 dBm/1 MΩ, −10 dBm/47 kΩ •Output level/output impedance: −20 dBm/2 kΩ, −10 dBm/2 kΩ •Output load impedance: Over 10 kΩ •Frequency response: 10 Hz to 30 kHz $^{+1}_{-3}$ dB (Direct), 30 Hz to 10 kHz $^{+1}_{-3}$ dB (Effect) •Sampling rate: 31.25 kHz •A/D-D/A conversion system: 12-bit converter plus analog logarithm compression •Residual noise: −100 dBm or less (IHF-A, Level switch at −20 dBm) •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 120 mA •Dimensions: 8-9/16(W) × 6-5/8(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RPH-10 PHASER

The RPH-10 features three different phase-shifting modes—6-stage, 10-stage, and 12-stage. Rate, Depth, and Resonance controls are also provided. In addition, a Manual control is provided to control the center frequency where phase-shifting occurs. A variety of phase-shifting effects—from light, natural effects to deep, sharp effects—can be produced as desired using these controls. A built-in noise-reduction system keeps the sound clear at all times.
The Modulation BUS jack allows the modulation of two PRH-10's to be interlocked. The phase of the modulation signal can then be inverted using the Polarity switch. In this way, much more impressive effects can be realized.

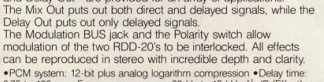
•Phase shifting modes: I (1,080°), II (1,800°), III (2,160°) •Input level/input impedance: −10 dBm/47 kΩ, −20 dBm/1 MΩ •Output level/output impedance: −10 dBm/2 kΩ, −20 dBm/2 kΩ •Output load impedance: Over 10 kΩ •Gain: Unity •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 60 mA •Dimensions: 8-9/16(W) × 6-5/8(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RDD-20 DIGITAL DELAY

The RDD-20 digital delay provides a delay of from 0.75 to 400 ms. The delay time is determined by a 9-stage Range selector and a Fine control.
A 12-bit PCM system plus analog logarithm compression ensures superb sound quality. The frequency response ranges from 20 Hz to 15 kHz.
In addition to controls for Modulation Rate, Modulation Depth, Feedback Level, and Delay Level, a Delay Tone control is also provided to produce natural echo effects. Two outputs—Mix Out and Delay Out—are provided for an array of applications.
The Mix Out puts out both direct and delayed signals, while the Delay Out puts out only delayed signals.
The Modulation BUS jack and the Polarity switch allow modulation of the two RDD-20's to be interlocked. All effects can be reproduced in stereo with incredible depth and clarity.

•PCM system: 12-bit plus analog logarithm compression •Delay time: 0.75 to 400 ms •Frequency response: 20 Hz to 15 kHz ⁻¦ dB (Effect), 10 Hz to 60 kHz ⁻¦ dB (Direct) •Input level/input impedance: −10 dBm/47 kΩ, −20 dBm/1 MΩ •Output level/output impedance: −10 dBm/2 kΩ, −20 dBm/2 kΩ •Output load impedance: Over 10 kΩ •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 120 mA •Dimensions: 8-9/16(W) × 6-5/8(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RCE-10 DIGITAL CHORUS ENSEMBLE



Incorporating a special Digital Chorus LSI, the RCE-10 Digital Chorus Ensemble creates beautiful, stunningly realistic chorus sounds superior to those of any other chorus unit.
In addition to Modulation Rate and Modulation Depth controls, the RCE-10 features a Pre-Delay Time control, which allows the user to set a delay time for the chorus effect. Doubling or harmonizing effects can be produced. An equalizer is provided to tailor the tone of the chorus sounds from warm to extremely bright.

•Input level/input impedance: −20 dBm/1 MΩ, −10 dBm/47 kΩ •Output level/output impedance: −20 dBm/2 kΩ, −10 dBm/2 kΩ •Output load impedance: Over 10 kΩ •Sampling rate: 50 kHz •A/D-D/A conversion system: 12-bit converter with analog logarithm compression •Residual noise: −100 dBm or less (IHF-A, Level switch at −20 dBm) •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 80 mA •Dimensions: 8-9/16(W) × 6-5/8(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RSD-10 DIGITAL SAMPLER/DELAY

The RSD-10 offers both digital delay and digital sampler functions. The delay time ranges from 2 to 2,000 ms and the sampling time ranges up to 2,000 ms. The RSD-10 can use a sampled sound to play a melody. It detects the pitch and envelope of the input audio signal and controls the pitch and envelope of the sampled sound to ensure an accurate match. A Playback Trim control allows the sampled sound to be abruptly cut.
Two recording and two playback modes are provided for greater flexibility in record and playback operations. Overdubbing is possible, and the sampled sound may be activated using trigger signals or an optional BP-1 pad controller.

•Input level/input impedance: −20 dBm/1 MΩ, −10 dBm/47 kΩ •Output level/output impedance: −20 dBm/2 kΩ, −10 dBm/2 kΩ •Output load impedance: Over 10 kΩ •A/D/A conversion system: Analog logarithm compression plus 12-bit converter •Sampling time: 2,000 ms (max) •Delay time: 2 to 2,000 ms •Frequency response: 10 Hz to 30 kHz ⁻¦ dB (Direct), 20 Hz to 7 kHz ⁻¦ dB (Sampling, Delay) •Residual noise: −95 dBm (IHF-A, Level switch at −20 dBm) •External pitch control input: C₅ (523 Hz) to C₇ (2,093 Hz) •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 100 mA •Dimensions: 8-9/16(W) × 6-5/8(D) × 1-3/4(H) in. •Weight: 2 lb. 3 oz. •Accessories: DC cord, Rubber foot × 4

ROD-10 OVER DRIVE/DISTORTION

The ROD-10 features five different overdrive/distortion effects, including three different overdrives, one distortion, and one fuzz effect. Each effect is produced by completely independent circuits which feature discrete amplifier construction. The ROD-10 ensures low-noise operation at all times.
A three-band equalizer—high, middle, and bass—is provided for flexible tone adjustment. The center frequency of the middle band is adjustable from 250 Hz to 4 kHz. A line output incorporates a special line driver, providing the output signal with a frequency response similar to that obtained by a guitar amplifier. Realistic "amplified" guitar sounds can be obtained even when the ROD-10 is directly connected to a line-level device.

•Input level/input impedance: −20 dBm/1 MΩ •Output level/output impedance: −20 dBm/2 kΩ •Output load impedance: Over 10 kΩ •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 50 mA •Dimensions: 8-9/16(W) × 6-11/16(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RPS-10 DIGITAL PITCH SHIFTER/DELAY

The affordable RPS-10 Digital Pitch Shifter/Delay can function either as a digital pitch shifter or as a digital delay.
When functioning as a digital pitch shifter, the RPS-10 can continuously shift the pitch of input sound to anywhere between one octave below and one octave above with a frequency response of 40 Hz to 15 kHz. The amount of pitch shifting can be varied using the controls on the RPS-10 or from a connected keyboard. A Tuner Out jack is provided for visual confirmation of the pitch-shifting amount. A special Invert function allows the pitch-shifted sound to be played backward.
When functioning as a digital delay, the RPS-10 offers a delay ranging from 25 to 800 ms with a frequency response between 40 Hz and 15 kHz. The Feedback control sets the number of repeats. The Invert function can also be applied to the delay effect.

•Input level/input impedance: −20 dBm/1 MΩ, −10 dBm/47 kΩ •Output level/output impedance: −20 dBm/2 kΩ, −10 dBm/2 kΩ •Output load impedance: Over 10 kΩ •Pitch shift range: −1 to +1 Octave •Delay time: 25 to 800 ms •Frequency response: 10 Hz to 30 kHz ⁻¦ dB (Direct), 40 Hz to 15 kHz ⁻¦ dB (Effect) •Residual noise: −90 dBm or less (IHF-A, Level switch at −20 dBm) •Note range of keyboard control input: C₅ (523 Hz) to C₇ (2,093 Hz) •Note range of tuner output: C₄ (65.4 Hz) to C₆ (261.6 Hz) •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 100 mA •Dimensions: 8-9/16(W) × 6-11/16(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RGE-10 GRAPHIC EQUALIZER

The RGE-10 has 10 octave bands at 31, 62, 125, 250, 500, 1 k, 2 k, 4 k, 8 k, and 16 kHz. All sliding controls have an LED and a center-click detent for easy, reliable operation even in the dark. A Level control balances the level difference between normal and equalized settings.

•Input level/input impedance: −10 dBm/47 kΩ, −20 dBm/1 MΩ •Output level/output impedance: −10 dBm/2 kΩ, −20 dBm/2 kΩ •Output load impedance: Over 10 kΩ •Frequency response: 10 Hz to 60 kHz ⁻¦ dB (All controls at center) •Gain: Unity •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 50 mA •Dimensions: 8-9/16(W) × 6-5/16(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RBF-10 FLANGER

The RBF-10 has two outputs—D + E (direct signals with non-inverted effect signals) and D−E (direct signals with inverted effect signals). Stereo flanging can thus be achieved even from a monaural source. In addition to the Rate (100 ms to 6 s) and Depth controls, the modulation section has a Manual control that adjusts the center frequency where flanging occurs. The newly developed feedback circuit allows a single Feedback control to adjust both positive and negative feedback. There is also a Mix Balance control to balance direct and effect signals.
A full spectrum of flanging effects can be produced as desired. The Modulation BUS jack allows the modulation of two RBF-10's to be interlocked. The phase of the modulation signal can then be inverted using the polarity switch. Consequently, much more impressive effects can be obtained.

•Input level/input impedance: −10 dBm/47 kΩ, −20 dBm/1 MΩ •Output level/output impedance: −10 dBm/2 kΩ, −20 dBm/2 kΩ •Output load impedance: Over 10 kΩ •Gain: Unity •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 40 mA •Dimensions: 8-9/16(W) × 6-5/8(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RPQ-10 PREAMP/PARAMETRIC EQUALIZER

The RPQ-10 has two parametric equalizer bands—Low (40 Hz to 1 kHz) and High (600 Hz to 15 kHz). Each band features a Center-Frequency, Q, and Level sliding controls. An LED is provided for each sliding control.
Three input jacks and an input level control allow connection with any electric or electronic instrument. The Overload LED warns of input signal overloads. Phone and pin output jacks are provided, and may be used simultaneously. The Total Level sliding control adjusts the boost/cut level of the output signal from −15 to +15 dB, and is equipped with an LED which blinks when the effect signal exceeds the overload level.

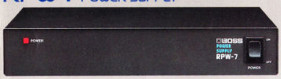
•Rated input level/input impedance: −50 dBm/1 kΩ (Mic), −20 dBm/1 MΩ (INST), −10 dBm/50 kΩ (Line) •Rated output level/output impedance: −20 dBm/2 kΩ (at Phone Jack), −10 dBm/2 kΩ (at RCA Pin Jack) •Output load impedance: Over 10 kΩ •Frequency response: 10 Hz to 40 kHz -3 dB (at Line Input, All controls at flat positions) •Residual noise: −95 dBm (IHF-A, at Phone output jack, no input connected, all controls at flat positions) •Level variable range: ±15 dB •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 60 mA •Dimensions: 8-9/16(W) × 6-9/16(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RCL-10 COMPRESSOR/LIMITER

The extremely cost-effective RCL-10 offers all the functions of a conventional compressor, limiter, expander, and noise gate units. Incorporating high-performance VCAs, the RCL-10 provides outstanding sound quality with an exceptionally high S/N ratio and low distortion. The Compressor/Limiter/Expander section features Threshold, Ratio, Attack, and Release controls, while the Noise Gate section features Threshold and Decay controls. Any desired effect for any possible purpose can be accurately produced.
The Key-In jack allows the RCL-10 to be used as a de-esser or as a means of producing gated reverb. Overload and Gain Reduction indicators let the user confirm the operation status at a glance. The Stereo Link jacks are provided to interlock the operation of two RCL-10's.

•Input level/input impedance: −10 dBm/47 kΩ, −20 dBm/1 MΩ •Output level/output impedance: −10 dBm/2 kΩ, −20 dBm/2 kΩ •Output load impedance: Over 10 kΩ •THD: 0.03% or less •Power source: 9V DC by PSA series AC Adaptor or RPW-7 •Current draw: 9V DC, 60 mA •Dimensions: 8-9/16(W) × 6-5/8(D) × 1-3/4(H) in. •Weight: 2 lb. •Accessories: DC cord, Rubber foot × 4

RPW-7 POWER SUPPLY



The RPW-7 is a 9-volt power supply unit capable of providing up to 700 mA direct current. The RPW-7 is specifically designed for use with the Micro Studio units, but it can also be used to power BOSS Compact Pedal effects such as the DSD-3 and the DC-2, which operate on a PSA-series AC adaptor.

•Output voltage: 9V DC •Output current: 700 mA (max) •Switch: Power •Jacks: DC out × 5 •Indicator: Power •Power: AC powered •Dimensions: 8-9/16(W) × 5-1/2(D) × 1-5/8(H) in. •Weight: 2 lb. 10 oz.

RCB-4 CARRYING BOX

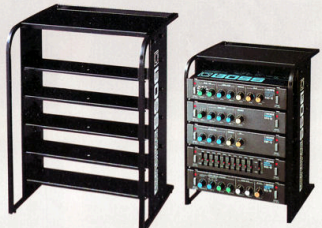
The RCB-4 Carrying Box can hold up to four BOSS' Micro Studio units or up to two rack spaces of 19" rack-mountable devices.

•Dimensions: 20-1/2(W) × 13-1/2(D) × 4-13/16(H) in. •Weight: 11 lb.

RAD-10 RACK-MOUNT ADAPTOR

The RAD-10 holds two Micro Studio units and fits in a single 19-inch EIA rack spaces.

BMR-5 MICRO SYSTEM RACK



The BMR-5 can hold up to 5 BOSS Micro Studio units.

DR-220A/DR-220E Dr. Rhythm

(ACOUSTIC VERSION)

(ELECTRONIC VERSION)

The DR-220 Dr. Rhythm features eleven digital sound sources (see the chart below). Incorporating a 12-bit D/A converter, the sound quality of the DR-220 is comparable to that of much more expensive digital drum machines.
The DR-220 can store up to eight songs (each up to 128 measures) written by combining sixty-four rhythm patterns (thirty-two preset and thirty-two programmable patterns). Longer songs (up to 256 measures) can be programmed by borrowing memory from the next consecutive track. A liquid crystal display is provided for easy programming.
All of the sound sources can also be activated by tapping the sound source buttons even when a song is being played. The volume of each sound source and the total accent level can be individually set at one of six levels. Total volume is adjustable, too. Both Trigger In and a Trigger Out jacks are provided to offer a variety of applications.

DR-220A Sound Sources	DR-220E Sound Sources
Bass Drum, Snare Drum, Rim Shot/Hand Clap, Low Tom/ Mid Tom/High Tom, Closed High-Hat/Open High-Hat, Crash Cymbal/Ride Cymbal	Electronic Bass Drum, Electronic Snare Drum, Electronic Low Tom/ Electronic Mid Tom/Electronic High Tom, Cowbell/Slap, Closed High-Hat/Open High-Hat, China Cymbal/Cup

•Memory: 32 Preset Rhythm Patterns, 32 Programmable Rhythm Patterns, 8 Songs (each 128 measures long) •Pattern writing methods: Step Write, Tap Write •Tempo: 40 to 250 beats per minute •Power: Batteries (UM-3 × 4), AC Adaptor •Dimensions: 9-7/16(W) × 2-15/16(D) × 1-1/4(H) in. •Weight (with batteries): 12 oz. •Accessories: UM-3 Battery × 4, Soft case

MPD-4 MIDI PAD

The MPD-4 MIDI Pad is a versatile and affordable MIDI pad controller unit. Any MIDI-controlled sound source may be activated by hitting the MPD-4's touch sensitive pad. When a MIDI synthesizer is used as a sound source, the gate time (the time during which the sound is produced) can be controlled by the hitting force.
Up to three external pads, such as the BOSS BP-1 Pad Controller, can be connected to the MPD-4's three External Pad jacks. You can form your own MIDI pad set-up as desired.
Four different MIDI note numbers can be assigned individually to the MPD-4's pad and three external pads connected to it. The MPD-4 can memorize two different combinations of the MIDI note number assignment for the four pads. You can select either combination using the BOSS FS-5L or FS-5U footswitch.
•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 30 mA •Jacks: External Pad (1 to 3), Foot Switch, 9V DC In •MIDI Connectors: In, Out •Dimensions: 6(W) × 6-5/8(D) × 2-3/8(H) in. •Weight: 2 lb. 7 oz.

BP-1 PAD CONTROLLER

The BP-1 Pad Controller features a touch-sensitive hitting pad. A Sens control is provided to adjust the pad's sensitivity. You can use the BP-1 to activate a sample sound recorded in the RSD-10 or as an external pad for BOSS MPD-4 MIDI Pad or Roland OctaPad PAD-8.

•Output impedance: 100 kΩ •Dimensions: 6(W) × 5-11/16(D) × 2-5/16(H) in. •Weight: 1 lb. 10 oz.

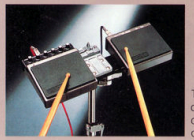
DRP-I/II/III Dr. PAD

Dr. Pad is the perfect compact digital percussion instrument for any musician and any type of music. By simply hitting its touch-sensitive pad, you can play clear, articulate percussive sounds.
Dr. Pad is available in three versions (DRP-I/II/III), each with six of today's most popular PCM percussion sounds.
The touch-sensitive pad allows volume control according to how hard the pad is struck, and a Minimum Sensitivity control adjusts the pad's threshold sensitivity. In addition, a variety of attractive functions are provided for superior versatility.

	DRP-I	DRP-II	DRP-III
1	Snare Drum 1 (with Gated Reverb)	Bass Drum 1 (with Gated Reverb)	Smashing Glass
2	Snare Drum 2 (with Gated Reverb)	Bass Drum 2 (with Gated Reverb)	Cowbell
3	Tambourine	Electronic Tom	Timbale
4	Hand Clap	Steel Drum	Scratch
5	Cymbal	Small Gong	Quijada
6	Timpani	Star Chime	Large Gong

•Power: 9V Battery, AC Adaptor •Current draw: 9V DC, 30 mA •Dimensions: 6(W) × 6-5/8(D) × 2-3/8(H) in. •Weight (with battery): 2 lb. 7 oz.

BPH-2 PAD HOLDER



The BPH-2 mounts one or two BP-1's, Dr. Pad's, or MPD-4's on a tom-tom or similar stand.

*Specifications and appearance subject to change without notice.

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